

Data BUS 77Ω AWG26 EN3375-007 (F 2703-0072)



Cables specification: EN3375-007

Short designation: EN WW26

Cable, electrical, for digital data transmission, type WW



Cable characteristics



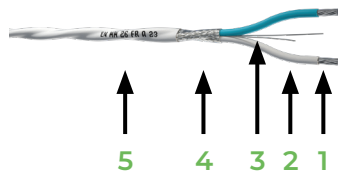
Environmental

- Operating temperature: -65°C to 200°C (ambient temperature + current heating)
- Resistant to Aircraft fluids (oils, hydrocarbons, kerosene, skydrols...), Chemical agents

Electrical

- For information: Maximum voltage rating 250 V AC
- Characteristic Impedance: $77 \pm 7 \Omega$ at 1 MHz
- Capacitance: 75 pF/m max.
- Attenuation: ≤ 4.1 dB/100m at 1 MHz
- Transfer Impedance (Z_t max. in $m\Omega/m$):
 - direct current: 30
 - 1 MHz: 15
 - 10 MHz: 15
 - 30 MHz: 15

Cable design



1. Stranded conductor: Silver plated copper
2. Insulation: Fluoropolymer
3. Fluoropolymer filler
4. Silver plated copper Braid
5. Fluoropolymer

Identification

- Core color: White and Blue
- Cable color: White

Marking

Marking text	Standard reference	Draka designation	Marking color
EN WW 26 FRA XX	EN3375-007 C	F 2703-72-EXT BUS 26 AWG	Black
EN WW R 26 FRA XX	EN3375-007 C 01	on request	Red (main line)
EN WW B 26 FRA XX	EN3375-007 C 02	on request	Blue (branch line)

EN WW 26 or EN WW R 26 or EN WW B 26: Short designation
 FR: Country of Origin
 A: Manufacturer (A: Draka)
 XX: Manufacturing year

Specifications

Cable specification

EN3375-007 cable, electrical, for digital data transmission

Part 007: Double braid - 77 Ohms - Type WW - Product standard

Technical Specification

EN3375-001

Compliant to ABD0031

Flammability, Smoke and Toxicity requirements and 14 CFR FAR25-1713

Dimensional

Conductor construction	Conductor diameter		Linear resistance max. at 20°C	Insulation diameter max.	Braid strand diameter nominal	1st braid diameter max.	2nd braid diameter max.	Cable outer diameter		Weight max.	Min. bend radius
	min.	max.						min.	max.		
nb x Ø mm	mm <i>inch</i>	mm <i>inch</i>	Ω/km <i>Ω/1000ft</i>	mm <i>inch</i>	mm <i>inch</i>	mm <i>inch</i>	mm <i>inch</i>	mm <i>inch</i>	mm <i>inch</i>	kg/km <i>lbs/1000ft</i>	mm
19 x 0,10	0.45 <i>0.0177</i>	0.53 <i>0.0208</i>	153 <i>46.63</i>	0.85 <i>0.0334</i>	0.08 <i>0.0031</i>	2.00 <i>0.0787</i>	2.40 <i>0.0944</i>	2.80 <i>0.1102</i>	3.00 <i>0.1181</i>	21 <i>14.11</i>	20



Prysmian câbles et systèmes France

Head Office

23 avenue Aristide Briand - BP 801 - PARON - 89108 SENS Cedex / France
Tel : +33 (0)3 86 95 76 00 - infocables.fr@prysmian.com

Draka Fileca SAS

D 1001 - 60730 Sainte-Geneviève / France
fileca-office@prysmian.com



www.prysmian.com



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